TAR FIGURE LISTED IN 127 CIGARETTES

68 More Brands Covered in Trade Commission Data

By JOHN D. MORRIS
Special to The New York Times

WASHINGTON, June 19—The Federal Trade Commission, completing the first round of laboratory tests, has rated Marvel cigarettes as the lowest in tar and nicotine content among 127 varieties.

In a report made public today, the commission rated 68 varieties of cigarettes in terms of tar and nicotine of their smokes. Last November, it had rated 59.

In the latest tests, king size nonfilter Herbert Tareytons moved ahead of king size nonfilters Chesterfields as highest in tar content.

King size, nonfilter Raleighs maintained their position as highest in nicotine.

A commission spokesman said that the 127 varieties tested represented all but a negligible handful of cigarettes smoked in the United States.

Cigarettes to Be Retested

Donald K. Tenney, commission lawyer in charge of the project, said in a telephone interview that new cigarettes would be tested as they came on the market and present varieties would be retested regularly.

Last November's report covered nearly all of what Mr. Tenney called "the real big sellers." The new report covered virtually all of the remaining market.

The testing was undertaken at the request of Senator Warren G. Magnuson, Democrat of Washington and chairman of the Senate Commerce Committee. The two reports were sent to him as chairman of the Consumer subcommittee and made public through his office.

Senator Magnuson believes that high tar and nicotine content of cigarette smoke is more hazardous to the smoker's health than low content.

Opinion of Stewart

Among others, Dr. William H. Stewart, Surgeon General of the United States Public Health Service, agrees. In testimony before a Senate subcommittee last August, he said the preponderance of scientific evidence strongly suggested that the lower the tar and nicotine content of cigarette smoke, the less harmful the effects.

But the Tobacco Institute, chief spokesman for cigarette manufacturers, contends that there is no scientifically established relationship between tar and nicotine levels and human health.

Cambridge Test Used

The trade commission's laboratory used what is known as the Cambridge filter method in testing the cigarettes.

A machine smoked 10 cigarettes of each brand or type to a butt length of 23 millimeters or to the length of the filter and overwrap plus three millimeters for those that could not be smoked to 23 millimeters. The solid material from the smoke was collected and analyzed.

Cigarettes tested varied from 70 millimeters to the new 101 millimeters type. There are 25.4 millimeters to the inch.

The samples used were obtained by trying to buy two packages of each variety in each of 50 geographic locations throughout the country.

The 59 varieties covered by last November's report were "for the most part" purchased last August, the commission said. The 68 varieties covered by today's report were bought "for the most part" last January, a statement added.

"All varieties of cigarettes were not available in each of the 50 geographic locations," the commission said, "and in these cases one or more additional packages of cigarettes were purchased in those geographic locations where the respective varieties were available.

"The samples utilized in the tests were representative of the 127 varieties of cigarettes as available throughout the country at the times of purchase."

In a composite table of results of testing all 127 varieties, the commission rounded off tar figures to the nearest whole milligram and the nicotine figures to the nearest tenth of a milligram.

It also published tables given more precise figures for each of the two testing reports.

Continued

Tar and Nicotine Content of Cigarettes

Special to The New York Times

WASHINGTON, June 19—Following are the official results of tests reported by the Federal Trade Commission's laboratory of tar and nicotine content of 127 brands of cigarettes, 59 of which were reported on last November and 68 of which were reported today for the first time. The results are listed according to increasing amount of tar content and, where that is equal, by increasing nicotine content. The numbers represent the number of milligrams of tar and nicotine in the smoke of the cigarettes tested.

NAME	TYPE			Tar	Nicotine
Marvels	Reg.	F		4	0.1
*Marvels	King	F	M	5	0.2
Marvels (X)	King	F		6	0.2
Carlton	King	F		7	0.5
Cascade	King	F	M	8	0.3
Duke of Durham	King	F		10	0.4
*Frappe	King	F	M	11	0.4
*Montclair	King	F	M	11	0.6
*Tyron (X)	King	F	M	11	0.7
*Life	King	F		12	0.7
King Sano (X)	King	F		13	0.4
*Vogue (colors)	King	F	HP	13	0.4
True	King	F		13	0.7
True	King	F	M	13	0.7
King Sano (X)	King	F	M	14	0.4
*Tyron (X)	King	F		14	0.8
Domino	King	F	M	15	0.7
*Kent (X)	Reg.	F		15	0.8
*Silva Thins	100 mm	F		15	0.8
Parliament (X)	King	F	HP	16	1.0
Parliament (X)	King	F		16	1.1
*Tempo (X)	King	F		17	0.7
Kent	King	F		17	1.1
*Kent (X)	King	F	HP	18	0.9
*Camel (D)	King	F	M	18	1.1
Tareyton	King	F		18	1.1
*Vogue (black)	King	F	HP	19	0.6
L&M	Reg.	F		19	0.9
Lucky Strike (X)	100 mm	F	M	19	1.0
*Lark	King	F		19	1.0
L&M	King	F	HP	19	1.1
Philip Morris	King	F		19	1.3
*Stratford	King	F		20	0.7
*Stratford	King	F	M	20	0.7
*Yukon	King	F	M	20	0.7
*Old Gold	King	F		20	1.0
Tareyton	100 mm	F		20	1.2
*Benson & Hedges	King	F	HP	20	1.3
Marlboro (X)	King	F	HP	20	1.3
Philip Morris	King	F	M	20	1.3
*Picayune	Reg.	NF		20	1.3
Winston	King	F		20	1.3
*Coupon (D)	Reg.	NF		20	1.4
*Home Run	Reg.	NF		20	1.4
Kool (X)	King	F	M	20	1.6
Sano (X)	Reg.	NF		21	0.6
*Mapleton	King	F		21	0.8
*Devon (D)	King	F	M	21	1.1
*Oasis	King	F	M	21	1.1
*Gauloises	Reg.	F		21	1.1
*Old Gold	Reg.	NF		21	1.1
*Newport	King	F	M HP	21	1.2
*Alpine (X)	King	F	M	21	1.2
*Benson & Hedges	Reg.	F	HP	21	1.2
Chesterfield	King	F	M	21	1.2
L & M	King	F		21	1.2
Lucky Strike	King	F	M	21	1.2
Winston	King	F	HP	21	1.2
Camel	King	F		21	1.3
*Galaxy (X)	King	F		21	1.3
Lucky Strike (X)	100 mm	F		21	1.3
Marlboro	King	F		21	1.4
Marlboro (X)	100 mm	F		21	1.4
Salem	King	F	M	21	1.4
Viceroy D	King	F	HP	21	1.4
Viceroy (X)	King	F		21	1.4
Raleigh (X)	King	F		21	1.5
*Stratford	King	NF		22	0.7
*Domino	King	F		22	0.8
*Mapleton	Reg.	NF		22	0.8
Marvels	King	NF		22	0.8
Chesterfield	King	F		22	1.2
Benson & Hedges(X)	100 mm	F		22	1.3
Lucky Strike	King	F		22	1.3
*Marlboro (X)	100 mm	F	HP	22	1.3
*Newport	King	F	M	22	1.3
*Belair (X)	King	F	M	22	1.4
Benson & Hedges(X)	100 mm	F	M	22	1.4
*Dumaurier (X)	King	F	HP	22	1.4
Pall Mall (X)	100 mm	F	M	22	1.5
*Wings	King	F		22	1.5
Chesterfield	Reg.	N	F	23	1.2
*Chesterfield	101 mm	F		23	1.2
*Spring (X)	100 mm	F	M	23	1.2
*Sweet Caporal	King	F		23	1.3
*Helmar	King	F	HP	23	1.3
*Newport (X)	100 mm	F	M	23	1.3
Kent (X)	100 mm	F		23	1.5
Philip Morris	Reg.	NF		23	1.5
Pall Mall (X)	100 mm	F		23	1.6
*Domino	King	NF		24	0.9
*Murad (D)	Reg.	NF	HP	24	0.9
*Gauloises	Reg.	NF		24	1.2
*Piedmont	Reg.	NF		24	1.3
Camel	Reg.	NF		24	1.4
*Dover Longs (D)	100 mm	F		24	1.5
Marlboro	King	F	M	24	1.7
*Omar	Reg.	NF		25	1.2
*Century (X)	100 mm	F		25	1.3
*Cavalier (D)	King	NF	HP	25	1.4
L&M	100 mm	F	M	25	1.4
*York (D)	100 mm	F		25	1.4
Winston (X)	100 mm	F		25	1.7
*Colony	100 mm	F	M	26	1.2
L&M (X)	100 mm	F		26	1.4
Pall Mall (X)	85 mm	F	M HP	26	1.5
*English Ovals	Reg.	NF	HP	26	1.6
Lucky Strike	Reg.	NF		26	1.6
Kool (X)	Reg.	NF	M	26	1.8
*Old Gold	King	NF		27	1.3
*Half & Half	King	F		27	1.6
Pall Mall	King	NF		27	1.6
Salem (X)	100 mm	F	M	27	1.7
Winston (X)	100 mm	F		27	1.7
*Colony	100 mm	F		28	1.4
*Pall Mall	85 mm	F	HP	28	1.6
Philip Morris Commander	King	NF		28	1.8
Raleigh	King	NF		28	2.0
*Holiday	King	F		29	1.3
*Holiday	King	NF		29	1.5
*Bull Durham	King	F		30	1.6
*Fatima	King	NF		31	1.5
*Players	Reg.	NF	HP	32	1.7
*English Ovals	King	NF	HP	32	1.9
*Herbert Tareyton	King	NF		33	1.7
*Brendon	King	NF		33	1.8

(F)—Filter; (M)—Menthol; (NF)—Nonfilter; (HP)—Hard Pack.

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PLANNED FOR GRAND CENTRAL: Diagram shows pedestrian flow which would result from co[illegible] Avenue, a 55-story building over Grand Central Terminal. Marcel Breuer and Associates are a[illegible]

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*Frappe	King F M	11	0.4
*Montclair	King F M	11	0.6
*Tyron (X)	King F M	11	0.7
*Life	King F	12	0.7
King Sano (X)	King F	13	0.4
*Vogue (colors)	King F	13	0.4
True	King F	13	0.7
True	King F M	13	0.7
King Sano (X)	King F M	14	0.4
*Tyron (X)	King F	14	0.8
Domino	King F M	15	0.7
*Kent (X)	Reg. F	15	0.8
*Silva Thins	100 mm F	15	0.8
*Parliament	King F HP	16	1.0
*Parliament	King F	16	1.1
*Tempo (X)	King F	17	0.7
Kent	King F	17	1.1
*Kent (X)	King F HP	18	0.9
*Camel (D)	King F M	18	1.1
Tareyton	King F	18	1.1
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L&M	Reg. F	19	0.9
Lucky Strike (X)	100 mm F	19	1.0
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Philip Morris	King F	19	1.3
*Stratford	King F	20	0.7
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*Yukon	King F M	20	0.7
*Old Gold	King F	20	1.0
Tareyton	100 mm F	20	1.2
*Benson & Hedges	King F HP	20	1.3
Marlboro (X)	King F HP	20	1.3
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*Picayune	Reg. N F	20	1.3
Winston	King F	20	1.3
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*Home Run	Reg. NF	20	1.4
Kool (X)	King F M	20	1.6
Sano (X)	Reg. NF	21	0.6
*Mapleton	King F	21	0.8
Devon (D)/(A)	King F M	21	1.1
*Oasis	King F M	21	1.1
*Gauloises	Reg. F	21	1.1
*Old Gold	Reg. NF	21	1.1
*Newport	King F M HP	21	1.2
*Alpine (X)	King F M	21	1.2
*Benson & Hedges	Reg. F HP	21	1.2
Chesterfield	King F M	21	1.2
L & M	King F	21	1.2
Lucky Strike	King F M	21	1.2
Winston	King F HP	21	1.2
Camel	King F	21	1.3
*Galaxy (X)	King F	21	1.3
Lucky Strike (X)	100 F	21	1.3
Marlboro	King F	21	1.4
Marlboro (X)	100 mm F	21	1.4
Salem	King F M	21	1.4
Viceroy D	King F HP	21	1.4
Viceroy (X)	King F	21	1.4
Raleigh (X)	King F	21	1.5
*Stratford	King NF	22	0.7
*Domino	King F	22	0.8
*Mapleton	Reg. NF	22	0.8
Marvels	King NF	22	0.8
Chesterfield	King F	22	1.2
Benson & Hedges(X)	100 mm F	22	1.3
Lucky Strike	King F	22	1.3
*Marlboro (X)	100 mm F HP	22	1.3
*Newport	King F M	22	1.3
*Belair (X)	King F M	22	1.4
Benson & Hedges(X)	100 mm F M	22	1.4
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*Helmar	King F HP	233	1.3
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Kent (X)	100 mm F	23	1.5
Philip Morris	Reg. NF	23	1.5
Pall Mall (X)	100 mm F	23	1.6
*Domino	King NF	24	0.9
*Murad (D)	Reg. NF HP	24	0.9
*Gauloises	Reg. NF	24	1.2
*Piedmont	Reg. NF	24	1.3
Camel	Reg. NF	24	1.4
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Marlboro	King F M	2 4	1.7
*Omar	Reg. NF	25	1.2
*Century (X)	100 mm F	25	1.3
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L&M	100 mm F M	25	1.4
*York (D)	100 mm F	25	1.4
Winston (X)	100 mm F	25	1.7
*Colony	100 mm F M	26	1.2
L&M (X)	100 mm F	26	1.4
Pall Mall (X)	King NF	27	1.6
*English Ovals	95 mm F M HP	26	1.5
Lucky Strike	Reg. NF HP	26	1.6
Kool (X)	Reg. NF	26	1.6
*Old Gold	Reg. NF M	26	1.8
*Half & Half	King NF	27	1.5
Pall Mall	King F	27	1.6
Salem (X)	100 mm F M	27	1.7
Winston (X)	100 mm F	27	1.7
*Colony	100 mm F	28	1.4
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Prisoners Stage Break To a New Jail in Brazil

NASSER WILL VISIT SOVIET NEXT MONTH

175 NUNS REPLACED;

New York Times Thurs. June 20

1968

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